CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No: CTCE/BBMP/W.No.04/LR/CEMENT/2013-14

Date: 13.03.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. Lokanath Reddy,** Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.
REFERENCE	:	BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	490 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.50 %	-

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Note:

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Lab No: CTCE/BBMP/W.No.04/LR/SAND/2013-14 : 13.03.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.

Agency : **Mr. Lokanath Reddy,** Contractor, Bangalore.

Name of Work : Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.

Reference : BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014

Date of Testing : 13.03.2014

Material : Sand Total Wt. of Aggregates in gms 2000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	98	4.90	4.90	95.1	90-100
2.36	212	10.60	15.50	84.5	75-100
1.18	528	26.40	41.90	58.1	55-90
600 Micron	415	20.75	62.65	37.4	35-59
300 Micron	498	24.90	87.55	12.5	8-30
150 Micron	205	10.25	97.80	2.2	0-10

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Lab No. CTCE/BBMP/W.No.04/LR/AGG/2013-14 : 14.03.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.

Agency : **Mr. Lokanath Reddy,** Contractor, Bangalore.

Name of Work : Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.

Reference : BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014

Date of Testing : 14.03.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **26000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	1045	4.02	4.02	95.98	95-100
20	15648	60.18	64.20	35.80	30-70
10	6250	24.04	88.24	11.76	10-35
4.75	2548	9.80	98.04	1.96	0-5

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Lab Ref: CTCE/BBMP/W.No.04/LR/AGG/2013-14 : 14.03.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.

Agency : **Mr. Lokanath Reddy,** Contractor, Bangalore.

Name of Work : Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.

Reference : BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014

Date of Testing : 14.03.2014

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	192	3.8	3.8	96.2	95-100
10	3254	65.1	68.9	31.1	25-55
4.75	1348	27.0	95.9	4.1	0-10

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CIVIL-TECH CONSULTANTS AND ENGINEERS

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Job No : CTCE/BBMP/W.No.04/LR/STEEL/2013-14 15.03.2014

TEST REPORT ON REINFORCEMENT STEEL

Client : **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.

Agency : **Mr. Lokanath Reddy,** Contractor, Bangalore.

Name of the work : Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.

Reference : BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014

Date of Test : 15.03.2014

Technical Reference : IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	8	0.40	510	545	12.85	O.K	O.K

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CIVIL-TECH CONSULTANTS AND ENGINEERS

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Job No.: CTCE/BBMP/W.No.04/LR/STEEL/2013-14 15.03.2014

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
Agency	:	**Mr. Lokanath Reddy,** Contractor, Bangalore.
Name of the work	:	Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.
Reference	:	BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014
Date of Test	:	15.03.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	10	0.62	513	549	13.33	O.K	O.K

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Job No: CTCE/BBMP/W.No.04/LR/STEEL/2013-14 15.03.2014

TEST REPORT ON REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
Agency	:	**Mr. Lokanath Reddy,** Contractor, Bangalore.
Name of the work	:	Construction of Community Center Allalasandra in Ward No.04, BBMP, Bangalore.
Reference	:	BBMP/AEE/YNSD/493/2013-2014 Dated:10.03.2014
Date of Test	:	15.03.2014
Technical Reference	:	IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	12	0.89	513	553	13.60	O.K	O.K

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Basaveshwaranagar,
Bangalore - 560 079